

REMARKS

The application has been amended and is believed to be in condition for allowance.

Claims 19-20 are new and are based on the disclosure found in original specification pages 9-12 and as illustrated by Figures 2-4.

Pages 4 and 8 of the substitute specification have been amended, responsive to the specification objections found on page 2 of the Official Action.

The previously pending formal objections to the claims have been withdrawn.

Claims 1-4, 6, 8-12 and 14-17 were rejected as obvious over LOURETTE 5,978,016 in view of PARULSKI 5,633,678 and LECOMTE EP 0 975 132.

The rejection is basically to i) combine LOURETTE and PARULSKI to result in a modified camera and then ii) link, by connector means, the modified camera to a cellular phone as per LECOMTE. The motivation being to avoid the disadvantages of a fully integrated camera unit with a mobile phone as taught by LECOMTE.

Claims 7, 13 and 18 were rejected in further view of KUROWIA JP 09-331495.

The claimed invention is a cellular telephone set having an integrated camera and a display portion.

The camera is recited as taking/picking-up images/pictures in two modes. The two recited modes are 1) a picture memorandum mode, and 2) a non-picture memorandum mode. In the first mode, i.e., the picture memorandum mode, images picked up are recited as picture memorandum with a size of the picked-up images being equal to the image size of the waiting screen image (step s11 of Figure 2, original specification page 10, last paragraph). In the second mode, i.e., the non-picture memorandum mode, other images are recited as album images with a size of the album images being greater than the images size of the waiting screen image (specification page 9, last full paragraph, memory 9 of Figure 1). Thus, there are two pick-up modes, a first mode which takes first images of a size equal to the waiting screen and a second mode that takes second images of a size greater than the waiting screen.

The invention also includes a selection means for selecting the picture memorandum mode, and a registration control means for, upon selection of the picture memorandum mode, automatically generating an icon indicating that the picked-up images are registered upon initially recording said picked-up images in said memory means, displaying the icon on said display portion, and registering subsequently picked-up images in said memory means in association with said icon.

LOURETTE teaches a hybrid film/digital camera with plural capture modes. In a digital capture mode, full size

images are picked-up (captured) and registered (stored) in memory. In a film capture mode, images are picked-up both by the film and digitally. In the film capture mode, the digitally picked-up image is originally picked up in full CCD resolution and full size (column 12, lines 3-5), and then saved in a lower resolution by cropping to the aspect ratio of the film and the resolution of the main screen display unit 36 (column 12, lines 48-53).

The Official Action offers this low resolution digital image in film capture mode as being the recited images picked up in the invention's picture memorandum mode.

The Official Action reads the recited selection means for selecting the picture memorandum mode onto the image capture mode selector switch and the picture taking mode selector switch of LOURETTE.

The Official Action acknowledges (page 5, last 7 lines) that LOURETTE does not teach the recited "a registration control means for, upon selection of the picture memorandum mode, automatically generating an icon indicating that the picked-up images are registered upon initially recording said picked-up images in said memory means, displaying the icon on said display portion, and registering subsequently picked-up images in said memory means in association with said icon."

As to this recitation, reference is made to Figure 2, step S5 which illustrates where the sub-menu is displayed and the

user selects "picture memorandum". This selection transits the operation mode to a camera view mode for picking up a picture memorandum (step S10), and the image size is fixed at the waiting screen image size (step S11).

Picking up of the image by the camera is performed (step S14, Figure 3). The picked-up image is then registered in the memory 8 for the picture memorandum (step S15). At this time, since registration to the memory 8 for the picture memorandum (picture memorandum registration) is the first time, a picture memorandum icon is generated automatically at this timing and an icon 22 is additionally attached to the lower portion of the display image portion 21 shown in Figure 4 (step S16). Additional steps of picking up images (S20) and registration in picture memorandum (S21) follow until the memory 8 is filled (S17) or the picture memorandum ends (S18). However, for these subsequent registration of the picture memorandum, icon generation is not performed as the picture memorandum icon previously generated used for first registration is used for all the registered picture memorandum (original specification page 11, lines 12-22).

Thus, a set of picked-up images are registered as picture memorandum in the memory 8 and are each associated with the same icon.

PARULSKI (column 6, lines 54-63) was offered, by the Official Action, as disclosing "a registration control means for,

upon selection of the picture memorandum mode, automatically generating an icon (e.g. tag) indicating that the picked-up images are registered upon initially recording said picked-up images in said memory means, displaying the icon on said display portion, and registering subsequently picked-up images in said memory means in association with said icon.

Applicant respectfully disagrees.

The claim requires that, upon selection of the picture memorandum mode, the recited registration control means automatically generates an icon indicating that the picked-up images are registered in the first memory, displaying the icon, and registering subsequently picked-up images in the first memory in association with this icon. PARULSKI does not make that teaching.

Rather, PARULSKI teaches to select a tag/category icon (step 61 of Figure 4) to associate pictures with the selected tag. There is no teaching that the "tagged" pictures are stored in a specific memory dedicated to (in association with) the selected tag/category icon.

PARULSKI relates to an electronic still camera. Column 6, beginning at line 48 discloses: "Referring first to FIG. 4, when the camera is first turned on, the "tag" icon 52a will be shown only in outline form (step 60). The inner part of the "tag" icon 52a will fill to indicate when the user has positively selected the tag feature by activation of the user control

switches 29. In the default mode, there are a predetermined plurality of possible categories, for example, five alphabetic categories A,B,C,D,E and NONE (or OFF). With the tag icon 52a activated, the user will select categories A,B,C,D,E,NONE (repeat sequence A,B, etc.) by pressing the toggle switch 54 (step 61). Each press of the switch 54 causes a different tag code to be displayed on the alphanumeric segment 52b."

At lines 60-63 it is disclosed that, when the shutton button 21 is pressed, the selected category (tag) is associated with the digital image data (steps 62, 63).

Thus, PARULSKI teaches to tag digital images to allow grouping of the images through common tags.

However, there is no teaching that, upon selection of the picture memorandum mode, the recited registration control means automatically generates an icon indicating that the picked-up images are registered in the first memory, displaying the icon, and registering subsequently picked-up images in the first memory in association with this icon. PARULSKI does not make these teachings.

If the PARULSKI teaching were incorporated into LOURETTE, the user selecting the film capture mode would cause the digital capture and subsequent saving of the lower resolution images, as per columns 11-12. As a separate matter, the PARULSKI teaching would allow the user to optionally tag/categorize the images.

Neither PARULSKI nor LOURETTE is seen as disclosing a display portion divided to include a waiting screen within said display portion (the waiting screen having an image size corresponding to a waiting screen image) and an area for displaying the automatically generated icon. As applicant understands these references, any icon is displayed in a display separate from the image display. For example, see Figure 3 of LOURETTE having a top display for camera functions and a separate main screen display unit 36 for images.

The main screen display may be used for a graphical user interface (column 4, lines 55-65), e.g., during editing and not being used during image capture as a picked-up image display (or waiting screen).

See that graphical user interface and the icons therein are within the same space as defined for the waiting screen. LOURETTE discloses that a more advanced graphical user interface can be incorporated to permit the operator to select various camera functions, for example, to edit information related to the images (including conventional APS data), obtain help information, enter user defined data into the camera or perform other functions. If the area of image 202 is considered the "waiting screen" then the recitation concerning "a memory means for registering images picked-up by said camera, in a picture memorandum mode, as picture memorandum with a size of the picked-

up images being equal to the image size of the waiting screen image" would not be satisfied.

Thus, as per claim 2, there cannot be "an icon display portion within said display portion and located apart from said waiting screen".

Thus, each of claims 1-2 is believed non-obvious.

Additionally, the claims have been amended to recite that the invention is a cellular telephone set having a camera and a display portion integrated therein, and comprising: a cellular telephone housing; a radio portion located within the housing; a display portion located within the housing to be in opposition to a user; and a non-film camera mounted within the housing on a back side of the display portion.

The applied combination would not satisfy these recitations. The offered modified camera would not be a non-film camera. If the camera were not a film camera, there would be no need to have the film capture mode with the reduced digital images showing what was captured on film.

As noted by the Official Action, LECOMTE would teach away from integrating the camera with the cellular telephone.

Thus, for these further reasons, the claims are believed non-obvious.

The features of new claims 19-20 are also not taught or suggested.

There is no teaching of a registration control means that limits registration of the picked-up images recording in said memory means to a predetermined number of images in association with said generated icon. There are also no teachings of an icon display portion configured to display plural icons, each icon associated with a different set of registered images picked-up by said camera, in the picture memorandum mode, as the picture memorandum with the size of the picked-up images being equal to the image size of the waiting screen image, and the registration control means limits generation of the icons to a predetermined number of icons.

Thus, these claims are also non-obvious.

The remaining dependent claims are believed allowable at least for depending from an allowable claim.

Similarly, as to the method and program claims, the applied art does not teach the specific combination of claimed features.

Thus, all claims are believed patentable.

Reconsideration and allowance of all the claims are respectfully requested. Applicant believes that the present application is in condition for allowance and an early indication of the same is respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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